

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1 - 9. (Cancelled)

10. (Currently amended) An isocyanate-free foamable mixture comprising:

(A) a mixture of prepolymers in which 50-99% of the chain ends are terminated by moisture condensable alkoxysilyl groups and 1-50% of the chain ends are terminated by groups of the formula [2]



where

A^1 is an oxygen atom, an $N-R^2$ group or a sulfur atom,

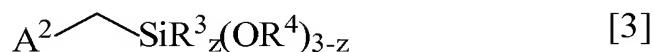
R^1 is an alkyl, cycloalkyl, alkenyl, aryl or arylalkyl radical having 2-50 carbon atoms in which the carbon chain is optionally interrupted by nonadjacent oxygen atoms, sulfur atoms or $N-R^2$ groups, and the carbon chain of R^1 is optionally substituted by lateral alkyl groups having 1-10 carbon atoms or halogen atoms, and

R^2 is a hydrogen atom or an alkyl, alkenyl or aryl radical having 1-10 carbon atoms, and

(B) a hydrocarbon blowing agent.

11. (Previously presented) The mixture of claim 10, wherein R^1 is an alkyl or alkenyl group having 8-26 carbon atoms.

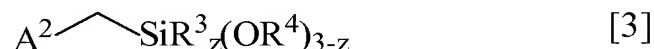
12. (Previously presented) The mixture of claim 10, comprising prepolymers which have alkoxysilyl groups of the formula [3]



where

- A² is an oxygen atom, an N-R⁵ group or a sulfur atom,
R³ is an alkyl, cycloalkyl, alkenyl or aryl radical having 1-10 carbon atoms,
R⁴ is an alkyl radical having 1-2 carbon atoms or an ω-(oxyalkyl)alkyl radical having a total of 2-10 carbon atoms,
R⁵ is a hydrogen atom, an alkyl, alkenyl or aryl radical having 1-10 carbon atoms, or a -CH₂-SiR³_z(OR⁴)_{3-z} group and,
z is 0, 1 or 2.

13. (Previously presented) The mixture of claim 11, comprising prepolymers (A) which have alkoxysilyl groups of the formula [3]



where

- A² is an oxygen atom, an N-R⁵ group or a sulfur atom,
R³ is an alkyl, cycloalkyl, alkenyl or aryl radical having 1-10 carbon atoms,
R⁴ is an alkyl radical having 1-2 carbon atoms or an ω-(oxyalkyl)alkyl radical having a total of 2-10 carbon atoms,
R⁵ is a hydrogen atom, an alkyl, alkenyl or aryl radical having 1-10 carbon atoms, or a -CH₂-SiR³_z(OR⁴)_{3-z} group and,
z is 0, 1 or 2.

14. (Previously presented) The mixture of claim 12, wherein A² in the general formula [3] is part of a urea or urethane unit.

15. (Previously presented) The mixture of claim 13, wherein A² in the general formula [3] is part of a urea or urethane unit.

16. (Previously presented) The mixture of claim 10, wherein the hydrocarbon blowing agent (B) comprises one or more hydrocarbons having 1-5 carbon atoms.

17. (Previously presented) The mixture of claim 12, wherein the hydrocarbon blowing agent (B) comprises one or more hydrocarbons having 1-5 carbon atoms.

18. (Previously presented) The mixture of claim 10, comprising a blowing agent mixture which comprises at least 50% by volume of hydrocarbon blowing agent (B) and one or more further blowing agents.

19. (Previously presented) The mixture of claim 18, wherein a further blowing agent is dimethyl ether.

20. (Previously presented) A process for preparing a foamable mixture of claim 10, wherein the prepolymer (A) is prepared at least partly in a pressure vessel.

21. (Previously presented) A pressure vessel containing a foamable mixture of claim 10.

22. (New) An isocyanate-free foamable mixture comprising:

(A) a mixture of prepolymers in which 50-99% of the chain ends are terminated by alkoxysilyl groups and 1-50% of the chain ends are terminated by groups of the formula [2]



where

A¹ is an oxygen atom, an N-R² group or a sulfur atom wherein when A¹ is NR² or oxygen, A¹ is part of a urea or urethane group, respectively,

R¹ is an alkyl, cycloalkyl, alkenyl, aryl or arylalkyl radical having 2-50 carbon atoms in which the carbon chain is optionally interrupted by nonadjacent oxygen atoms, sulfur atoms or N-R² groups, and the carbon chain of R¹ is optionally substituted by lateral alkyl groups having 1-10 carbon atoms or halogen atoms, and

R² is a hydrogen atom or an alkyl, alkenyl or aryl radical having 1-10 carbon atoms, and

(B) a hydrocarbon blowing agent.

23. (New) The foamable mixture of claim 22, wherein A¹ is oxygen or NR² and is part of a urethane group.

24. (New) The foamable mixture of claim 22, wherein A¹ is NR² and A¹ is part of a urea group.

25. (New) The foamable mixture of claim 10, wherein from 65-95% of the prepolymer chain ends are terminated by alkoxysilyl groups and 5-35% of the prepolymer chain ends are terminated by groups of the formula [2].

26. (New) The foamable mixture of claim 10, wherein from 80-95% of the prepolymer chain ends are terminated by alkoxysilyl groups and 5-20% of the prepolymer chain ends are terminated by groups of the formula [2].

27. (New) The foamable mixture of claim 22, wherein from 65-95% of the prepolymer chain ends are terminated by alkoxysilyl groups and 5-35% of the prepolymer chain ends are terminated by groups of the formula [2].

28. (New) The foamable mixture of claim 22, wherein from 80-95% of the prepolymer chain ends are terminated by alkoxysilyl groups and 5-20% of the prepolymer chain ends are terminated by groups of the formula [2].

29. (New) The foamable mixture of claim 10, wherein R¹ is an alkyl or alkenyl group containing 10-18 carbon atoms.